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1. The first part of the paper is devoted to a general introduction of the subject. It is shown that the problem of the existence of a solution of the differential equation $y'' + p(x)y' + q(x)y = r(x)$ is equivalent to the problem of the existence of a function $y(x)$ which satisfies the boundary conditions $y(a) = \alpha$ and $y(b) = \beta$.

2. In the second part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

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8. In the eighth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

9. In the ninth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

10. In the tenth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

11. In the eleventh part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

12. In the twelfth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

13. In the thirteenth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

14. In the fourteenth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

15. In the fifteenth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.

16. In the sixteenth part of the paper, the existence of a solution is proved for the case in which $p(x)$ and $q(x)$ are continuous functions on the interval $[a, b]$ and $r(x)$ is a continuous function on the interval $[a, b]$.